Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

INDEX

PAGE

ARWIN, A., Periodically Closed Chains of Reduced Fractions 39

ARWIN, A., A Functional Equation from the Theory of the Riemann $\zeta(s)$-Function 359

BELL, E. T., Periodicities in the Theory of Partitions 1

BRAHANA, H. R., A Theorem Concerning Certain Unit Matrices with Integer Elements 265

CAMP, B. H., On a Short Method of Least Squares 99

DE JANS, C., On the Potential of a Homogeneous Spherical Cap, of a Magnetic Shell, and of a Steady Circular Current 181

DRESDEN, A., On Symmetric Forms in N Variables 227

EISENHART, L. P., The Geometry of Paths and General Relativity . . . 367

EVERSULL, B. M., On Convergence Factors in Triple Series and the Triple Fourier's Series 141

FRANKLIN, P., Multiple Integrals in N-Space 213

GRAUSTEIN, W. C., Spherical Representation of Conjugate Systems and Asymptotic Lines 89

HART, W. L., Functionals of Summable Functions 23

HENDERSON, R., Geodesic Lines in Riemann Space 355

HILLE, E., A Pythagorean Functional Equation 175

HILTON, H., On Cyclic-Harmonic Curves 209

MITTAG-LEFFLER, G., An Introduction to the Theory of Elliptic Functions . 271

MURRAY, F. H., On Certain Linear Differential Equations of the Second Order 69

RIDER, P. R., On the Minimizing of a Class of Definite Integrals 167

UPADHYAYA, O., Cyclotomic Quinquisection for All Primes of the Form $10n+1$ between 1900 and 2100 352

WALSH, J. L., On the Convergence of the Sturm-Liouville Series 109

WEDDERBURN, J. H. M., The Functional Equation $g(x^2) = 2\alpha x + [g(x)]^2$. 121

WEDDERBURN, J. H. M.. Algebraic Fields 237